



STATE OF NEVADA

Department of Conservation & Natural Resources

DIVISION OF ENVIRONMENTAL PROTECTION

Brian Sandoval, Governor

Leo M. Drozdoff, P.E., Director

Colleen Cripps, Ph.D., Administrator

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET

(pursuant to NAC 445A.236)

Permittee Name:

City of Sparks
431 Prater Way
Sparks, Nevada 89431

Permit Number:

NEV95005

Locations:

Shadow Mountain Sports Complex, 3200 Sparks Blvd., Sparks, Nevada 89434; Longitude: 119°42'50"W., Latitude: 39° 33'50"N., S.34 T.20N. R.20E.

Sparks Boulevard/Van Meter Park, 1300 O'Callaghan Dr., Sparks, NV 89434; Longitude: 119°43'00"W., Latitude: 39°33'0"N., S.34 T.20N. R.20E.

Pah Rah Park, 1730 Shadow Lane, Sparks, Nevada 89434; Longitude: 119° 42' 20"W., Latitude: 39°33'50"N., S.35 T.20N. R.20E.

Vista Blvd. East, 780 Vista Blvd., Sparks, Nevada 89434; Longitude: 119°42'0"W., Latitude: 39°33'00"N.; S.35 T.20N. R.20E.

D'Andrea Pointe, 3100 Vista Blvd., Sparks, Nevada 89434; Longitude: 119° 42' 16"W., Latitude: 39° 33' 08"N., S.35 T.20N. R.20E.

Shelly Park/Tree Farm/Fire Station #2, 3000 North Truckee Lane, Sparks, Nevada 89434; Longitude: 119°44'04"W., Latitude: 39°33'18"N., S.33 T.20N. R.20E.

Willow Creek Park, 125 East Prater Way, Sparks, Nevada 89434; Longitude: 119°42'50"W., Latitude: 39°32'00"N., S.33 T.20N. R.20E.

Les Hicks Park, 3650 Oakridge Dr., Sparks, Nevada 89434; Longitude: 119°43'30"W., Latitude: 39°33'50"N. S.35 T.20N. R.20E.

Pyramid Way, Richards Way to Roberta Lane, Sparks, Nevada 89431; Longitude: 119°45'09"W., Latitude: 39°33'17"N., S.32 T.20N. R.20E.

McCarran Blvd, E. York Way to E. Prater Way, Sparks, Nevada 89431; Longitude: 119°44'02"W., Latitude: 39°33'15"N., S.03 T.19N. R.20E.

Public Water Supply: There is a public supply well (W32) near the D'Andrea Pointe reuse site. It is ranked as highly vulnerable to volatile organic compounds, soluble organic compounds, and inorganic compounds. Shadow Mountain Sports Complex, Sparks Boulevard, Van Meter Park, Pah Rah Park, Vista Boulevard, and Les Hicks Park are within the 3,000 and 6,000-foot Drinking Water Protection Areas (DWPA). D'Andrea Pointe is within the 1,000-foot DWPA. Reclaimed water as applied for reuse in accordance with the permit is not anticipated to impact the quality of the groundwater.

Wellhead Protection Area: The D'Andrea Point reuse site is within an established wellhead protection area (well W32, PWS NV00000190). Reuse as applied in accordance with the permit is not anticipated to impact the quality of the groundwater.

Corrective Action Sites: There are five Bureau of Corrective Actions (BCA) remediation sites within one mile of the various reuse sites of this permit. Due to the nature of the effluent application, BCA is not concerned by these sites.

General: The Truckee Meadows Water Reclamation Facility (TMWRF) provides tertiary treated, denitrified and disinfected effluent for reuse irrigation at the ten existing park/sports complex/common area-streetscape sites. Reuse at the sites will be via spray irrigation of turf grasses, trees and other landscape plant materials, as well as drip and hand irrigation, if needed. All reuse irrigation shall be conducted and/or operated in accordance with the approved Effluent Management Plans and permit conditions.

Receiving Water Characteristics: Groundwater in the area is potable, and the depth to groundwater in the area varies with elevation. The Permittee, in the approved Effluent Management Plan (EMP), will need to ensure that the treated denitrified effluent is applied at the consumptive rate. No adverse effects to groundwater are expected to occur as a result of this effluent reuse.

Description of the Location of the Discharge: The applicant uses tertiary treated, denitrified and disinfected reclaimed water provided by the Truckee Meadows Water Reclamation Facility (TMWRF) on a total of ten sites: seven parks, and three common area and streetscape sites. The TMWRF provides reclaimed water that meets reuse Category B quality per NAC 445A.276, and is denitrified below 10 mg/L total N.

Flow: Effluent demands of current users have been revised to more accurately reflect actual usage based on flow monitoring. In addition, two new sites (Pyramid Way and McCarran Blvd.) have been included in this application. All sites included in this permit are listed above in the location section.

Discharge Limitations: The TMWRF provides the City of Sparks with a Category B denitrified reclaimed water product. The 30-day average requirement for fecal coliform is set at 2.2 mpn/100 ml. Therefore, in accordance with NAC 445A.276, a buffer zone is not required, but control of public access is required.

Table I.1: Discharge Limitations

<u>PARAMETERS</u>	<u>EFFLUENT DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>	
	30-Day Average	Daily Maximum	Measurement Frequency	Sample Type
Total Flow (MGD):	1.078	1.358	Continuous	Flow Meter
Million Gallons per Month (MGM)	Monitor & Report	Monitor & Report	Monthly	Flow Meter
Fecal Coliform (CFU, MPN)/100 ml	2.2	23	Weekly	Discrete

Table Clarifications:

Fecal Coliform results may be obtained from TMWRF, Permit #NEV2003506.

Monthly maximum flow in Million Gallons per Month (MGM) is based upon highest usage month determined from consumptive use balance, plus 10% allowance and in accordance with the Effluent Management Plan.

Procedures for Public Comment:

The Notice of the Division's intent to reissue the permit authorizing the facility to discharge to the groundwater of the State of Nevada, subject to the conditions contained within the permit, is being sent to the **Reno Gazette-Journal** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the date of the publication of the public notice. All comments must be received by November 28, 2011. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons.

The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings must be conducted in accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination

The Division has made the tentative determination to reissue the proposed permit for a period of five (5) years.

Schedule of Compliance and Special Conditions

Cross-connection control documentation: Within 30 days of permit issuance the Permittee shall submit the annual cross-connection control documentation required by Part I.B.10. of the permit. This documentation shall be submitted annually thereafter, due with the 4th Quarter Report. The cross connection control inspection shall be conducted by an AWWA Association Certified Cross Connection Control Specialist.

Effluent Management Plan: New EMPs for the additional reuse sites shall be submitted within 30 days of the permit being issued.

Rationale for Permit Requirements

Required parameters are monitored to ensure effluent reuse requirements are maintained per NAC 445A.275 and 445A.276.

Prepared by: Robert E. Wimer, Jr., E.I.
Bureau of Water Pollution Control
October, 2011